



Tradewind VA



Flight Briefing Package

TCC312D LHBP-KMEM

04-Aug-2019 #2

RELEASE #2

LISZT FERENC INTL
(HUNGARY)

-

MEMPHIS INTL
(UNITED STATES)

PREPARED BY CHRISTIAN BREUER (TCA2984)

CHRISTIAN@TCA-CHARTER.DE

04 AUG 1656 UTC

Fuel Planning (lb)	EU-OPS	Fuel	Time
TRIP		111.859	09:47
CONT 5%		5.593	00:38
HOLD	KMEM	2.921	00:20
ALTN	KBNA	6.703	00:33
FINAL RESV		4.375	00:30
ADD FUEL		1.951	00:12
MIN T/O		133.402	12:00
EXTRA		2.191	00:15
TAXI		901	00:17
RELEASE	LHBP	136.494	12:32
ARR FUEL	KMEM	22.780	02:10

Load Planning (lb)	N78901	Plan	Limit
Empty Weight		288.021	
Payload	251+0 Pax	52.208	
Zero Fuel Weight	Limit	340.229	400.000
Fuel		136.494	218.676
Ramp Weight		476.723	547.000
Take-Off Weight LHBP		475.822	545.000
Landing Weight KMEM		363.963	425.000
Underload		59.771	Lim ZFW
Max Extra Fuel		61.037	Lim CAP

Cost Planning		
Flight Time	09:47\$	49.040
Fuel	113.714\$	76.604
Total		\$ 125.644
Per Pax		\$ 501
Per 10.000 lb Payload		\$ 24.066

TRADEWIND ALASKA FLIGHTPLAN - IFR TCC312D N78901 LHBP-KMEM

ALL WEIGHTS IN POUNDS (LB) STD 04AUG/1945Z

OPF 2 - PREPARED 04AUG/1656Z BY CHRISTIAN BREUER (TCA2984) CHRISTIAN@TCA-CHARTER.DE

TR312D/TCC312D N78901/B789-1B74-75 SEL/AHBF ROUTE: LHBPKMEM03

DEP: LHBP/BUD 31R ELEV 496 FT COST INDEX: 200 TTL G/C DIST: 4575 NM
ARR: KMEM/MEM 18L ELEV 341 FT INIT ALT: FL360 TTL F/P DIST: 4623 NM
FUEL BIAS: 100.0% TTL AIR DIST: 4762 NM
AVG WIND CMP: HD014 KT

ALT: KBNA/BNA 31 ELEV 599 FT 182 NM

Table with columns: CONFIG, DOW, PAX, CARGO, TOTAL, ULOAD LIM, ZFW, TOW, LDW. Rows include STANDARD, MAX, PLN, ACT.

Table with columns: FUEL, CORR, ENDUR. Rows include TRIP, CONT 5%, ALTN KBNA, FINAL RESV, HOLD, ADD FUEL, MIN T/O, EXTRA, TAXI, RELEASE, ARR FUEL.

FUEL TANK CAP 218676 LB / MAX EXTRA FUEL 63228 LB LIM BY CAPACITY
TRIP CORR FOR 10000 LB TOW INCR: +1704 LB / 10000 LB TOW DECR: -1708 LB
2000 FT LOWER: +1974 LB / EET 09:42 CLB: 250/310/85 DES: 85/310/250

LHBP STD 19:45Z/21:45L ETD 19:45Z ACT OFBL EST T/O 20:02Z ACT T/O
KMEM STA 06:30Z/01:30L ETA 06:07Z ACT ONBL EST LDG 05:49Z ACT LDG
SKD 10:45 PLN 10:22 TTL BLCK EST FLT 09:47 TTL FLT

***** 180 MIN ETOPS CRITICAL FUEL SUMMARY *****

NON-ICING CONDITIONS - INCLUDING FUEL FOR ONE MISSED APPROACH

ETOPS ENTRY (EINN) 233 NM BEFORE 5530N N55 05.4 W023 13.7 EET 03:34
ETOPS EXIT (CYQX) 281 NM BEFORE 5250N N53 33.6 W042 41.9 EET 04:57

ETOPS ALTNS WX/NOTAM SUITABILITY PERIOD

EINN (00:59-02:55)
CYQX (02:23-02:55)

ONE ENG OUT DECMP ETP 1 FOR EINN/CYQX N54 46.3 W033 13.7 EET 04:16
1E0 90/360 DESC TO FL100 CRUISE AT 1EOLRC 241 NM BEFORE 5440N
PLN FUEL OVER ETP 79847 ETP FUEL REQ 31556 DIV TIME 02:37
ETP TO EINN (N52 42.1 W008 55.5) DIST 868 NM WC TL002 TT 088
ETP TO CYQX (N48 56.2 W054 34.1) DIST 862 NM WC HD001 TT 255

ALL ENG DECMP ETP 1 FOR EINN/CYQX N54 46.3 W033 13.7 EET 04:16
90/360 DESC TO FL100 CRUISE AT LRC 241 NM BEFORE 5440N
PLN FUEL OVER ETP 79847 ETP FUEL REQ 31537 DIV TIME 02:30

ETP TO EINN (N52 42.1 W008 55.5) DIST 868 NM WC TL002 TT 088
 ETP TO CYQX (N48 56.2 W054 34.1) DIST 862 NM WC HD001 TT 255

ONE ENG OUT ETP 1 FOR EINN/CYQX N54 46.0 W033 18.0 EET 04:16
 1EO 85/310/250 DESC TO FL234 CRUISE AT 1EOLRC 239 NM BEFORE 5440N
 PLN FUEL OVER ETP 79791 ETP FUEL REQ 28480 DIV TIME 02:16
 ETP TO EINN (N52 42.1 W008 55.5) DIST 871 NM WC TL001 TT 088
 ETP TO CYQX (N48 56.2 W054 34.1) DIST 859 NM WC HD005 TT 255

ATC ROUTE: N0491F360 BADO4R BADOV DCT MAVOR P41 BABUS L602 VARIK DCT ROBEL
 UL602 MIMVA DCT OTBED Y70 GOLES UL975 SONEX L60 PENIL M144 BAGSO DCT
 RESNO/M086F360 DCT 55N020W/M085F380 55N030W/N0494F380 54N040W
 52N050W DCT TUDEP N400A MILLS DCT YSC DCT SYR DCT GEE DCT JHW DCT
 YNG DCT APE DCT FLM/N0486F430 DCT BWG WLDER8

ALTERNATE PLANNING

ALTN/RWY DIST ALT/FL MSA COMP TIME FUEL DIFF ROUTE
 KBNA/31 182 FL270 045 HD002 00:33 6703 - ELVIS4 EONEE DCT GHM

MOST CRITICAL MORA 8300 FT AT SYR

AWY -FIR	WAYPOINT NAME	MT	ALT ISA	MSA	FREQ WND/SPD	TAS GS	LEG REM	FUEL POSITION	REM / USED	LEG ETO	ACC ATO
	LHBP/31R		496	046				135.6 / 0.9			
	LISZT FERENC INTL					4623		N4725.4 E01917.6/.....		
BADO4R	DE31R DER31R	308	*CLB	046	P06 313/005		2	134.9 / 1.6	01 00.01		
						4621		N4726.7 E01915.5/.....		
BADO4R	BP640	295	*CLB	046	P06 323/009		4	134.0 / 2.5	01 00.02		
						4617		N4728.7 E01910.4/.....		
BADO4R	BP636	316	*CLB	046	P05 333/015		14	132.4 / 4.1	03 00.05		
						4603		N4739.2 E01857.5/.....		
BADO4R -LZBB	BADOV	341	*CLB	071	P05 328/022		23	130.6 / 5.9	04 00.09		
						4580		N4801.3 E01849.0/.....		
DCT -LKAA	MAVOR	309	*CLB	071	P01 338/040		70	126.9 / 9.6	10 00.19		
						4510		N4849.3 E01732.3/.....		
P41	BABUS	311	*CLB	045	P02 330/040		13	126.4 / 10.1	01 00.20		
						4497		N4858.8 E01718.1/.....		
L602	*TOC	289	FL360	076	P02 328/040	491 458	3 4494	126.3 / 10.2	01 00.21		
								N4900.0 E01713.9/.....		
L602	BNO BRNO	289	FL360	076	P02 323/039	114.45 491 458	23 4471	125.6 / 10.8	03 00.24		
								N4909.0 E01641.6/.....		
L602	ELMEK	290	FL360	044	P02 300/034	491 457	113 4357	122.6 / 13.8	15 00.39		
								N4954.2 E01401.8/.....		
	EDSB	281	FL360	072	P02 283/039		18 4340	122.2 / 14.3	02 00.41		
								N4958.8 E01335.5/.....		
L602	DONAD	281	FL360	072	P02 298/035	492 458	24 4316	121.6 / 14.9	03 00.44		
								N5004.9 E01300.0/.....		

L602	SOPGA	294	FL360 055	492	12	121.2 / 15.3	02	00.46	
			P02 298/035	457	4304	N5010.6 E01243.1/.....		
L602	VARIK	294	FL360 055	492	15	120.8 / 15.6	02	00.48	
-EDUU			P02 298/036	456	4289	N5017.5 E01222.9/.....		
DCT	ROBEL	293	FL360 055	492	83	118.6 / 17.8	11	00.59	
			P02 302/046	447	4206	N5053.9 E01026.1/.....		
UL602	KEMAD	293	FL360 052	493	32	117.8 / 18.7	04	01.03	
			P02 300/049	444	4175	N5107.4 E00940.5/.....		
UL602	*BDRY	299	FL360 042	493	24	117.1 / 19.4	03	01.06	
-EDVV			P02 298/049	444	4150	N5120.1 E00907.5/.....		
	ELLX	299	FL360 043		15	116.7 / 19.8	02	01.08	
			P03 290/065		4136	N5127.6 E00847.4/.....		
UL602	HMM	298	FL360 043	115.65	493	47	115.5 / 21.0	07	01.15
	HAMM		P02 287/051	442	4089	N5151.4 E00742.5/.....		
UL602	REBGU	293	FL360 037	493	30	114.7 / 21.8	04	01.19	
			P02 282/050	443	4058	N5204.4 E00658.2/.....		
UL602	RELBI	293	FL360 022	493	6	114.5 / 22.0	01	01.20	
			P02 280/050	443	4052	N5207.1 E00648.8/.....		
UL602	RKN	294	FL360 022	116.80	493	2	114.4 / 22.1	00	01.20
-EHAA	REKKEN		P02 280/050	444	4050	N5208.0 E00645.8/.....		
UL602	TENLI	288	FL360 022	493	20	113.9 / 22.6	03	01.23	
			P02 276/050	443	4030	N5214.8 E00615.0/.....		
UL602	FLEVO	288	FL360 024	493	25	113.2 / 23.3	03	01.26	
			P02 271/050	445	4005	N5223.1 E00536.1/.....		
UL602	SPY	287	FL360 024	113.30	494	29	112.4 / 24.1	04	01.30
	SPIJKERBOOR		P02 266/051	445	3976	N5232.4 E00451.2/.....		
UL602	BERGI	304	FL360 017	494	22	111.8 / 24.6	03	01.33	
			P03 263/051	452	3954	N5244.9 E00421.5/.....		
	EBBR	298	FL360 017		27	111.1 / 25.3	03	01.36	
			P04 261/068		3927	N5257.9 E00343.1/.....		
UL602	AMGOD	298	FL360 014	494	1	111.1 / 25.4	00	01.36	
			P03 259/051	453	3926	N5258.5 E00341.1/.....		
UL602	SUPUR	298	FL360 014	494	5	111.0 / 25.5	01	01.37	
			P03 258/051	453	3921	N5300.9 E00333.9/.....		
UL602	MIMVA	298	FL360 014	494	11	110.7 / 25.8	02	01.39	
-EGTT			P03 257/050	454	3910	N5306.1 E00318.2/.....		
DCT	OTBED	276	FL360 018	496	118	107.6 / 28.9	15	01.54	
			P04 241/052	450	3792	N5317.3 E00001.9/.....		
	EGLL	297	FL360 028		11	107.3 / 29.2	02	01.56	
			P06 247/057		3781	N5322.2 W00014.7/.....		
Y70	VEGUS	296	FL360 028	496	4	107.2 / 29.3	00	01.56	
			P04 238/045	463	3776	N5324.0 W00021.2/.....		

Y70	SIVBU	296	FL360 028	496	9	106.9 / 29.6	02	01.58
			P05 236/040	470	3767	N5327.9 W00034.7/.....	
Y70	GIPL0	296	FL360 028	496	8	106.7 / 29.8	01	01.59
			P05 233/036	474	3759	N5331.5 W00047.4/.....	
Y70	GOLES	296	FL360 036	496	12	106.4 / 30.1	01	02.00
			P05 230/032	478	3747	N5336.5 W00105.0/.....	
UL975	ARPUB	262	FL360 036	496	6	106.3 / 30.2	01	02.01
			P05 229/033	468	3742	N5335.6 W00114.5/.....	
UL975	UPTON	262	FL360 036	496	2	106.2 / 30.3	00	02.01
			P05 229/033	468	3740	N5335.2 W00118.1/.....	
UL975	UNIGO	261	FL360 036	496	9	106.0 / 30.5	01	02.02
			P05 228/034	468	3730	N5333.7 W00133.7/.....	
UL975	DESIG	261	FL360 036	497	12	105.7 / 30.8	02	02.04
			P05 227/035	467	3718	N5331.6 W00153.6/.....	
UL975	DENBY	261	FL360 036	497	2	105.6 / 30.9	00	02.04
			P05 227/035	467	3716	N5331.2 W00157.7/.....	
UL975	SONEX	261	FL360 036	497	8	105.4 / 31.1	01	02.05
			P05 226/035	466	3708	N5329.9 W00210.4/.....	
L60	PENIL	279	FL360 047	497	54	104.1 / 32.4	07	02.12
			P06 218/034	478	3654	N5337.0 W00339.8/.....	
M144	BABRA	276	FL360 047	497	10	103.8 / 32.6	01	02.13
			P06 217/034	477	3644	N5337.7 W00356.7/.....	
M144	GIGTO	276	FL360 048	497	5	103.7 / 32.8	01	02.14
			P06 216/034	478	3639	N5338.0 W00405.9/.....	
M144	UNDUX	276	FL360 048	497	8	103.5 / 33.0	01	02.15
			P06 215/035	478	3631	N5338.5 W00418.7/.....	
	EINN	276	FL360 048		1	103.5 / 33.0	00	02.15
			P09 227/033		3630	N5338.6 W00421.1/.....	
M144	SOPAX	276	FL360 048	498	4	103.4 / 33.1	00	02.15
			P06 214/035	478	3626	N5338.8 W00427.1/.....	
M144	RAMOX	276	FL360 048	498	14	103.1 / 33.4	02	02.17
			P06 212/036	478	3612	N5339.6 W00450.4/.....	
M144	OGTUG	275	FL360 048	498	11	102.8 / 33.7	02	02.19
			P07 211/037	479	3601	N5340.2 W00508.8/.....	
M144	BAGSO	275	FL360 017	498	13	102.5 / 34.0	01	02.20
-EISN			P07 210/037	479	3589	N5340.8 W00530.0/.....	
DCT	*BDRY	290	FL360 043	505	187	98.0 / 38.5	23	02.43
-EGGX			P13 188/020	504	3402	N5429.8 W01037.8/.....	

----- OCEANIC ENTRY -----

[] LR NAV ACCUR CHECK	AT	__:_Z	CAPT	_____	STBY	_____	FO	_____
[] RVSM ALTIMETER CHECK	AT	__:_Z	CAPT	_____	STBY	_____	FO	_____
[] COMPASS HDG CHECK	AT	__:_Z	CAPT	_____	STBY	_____	FO	_____
[] HF CHECK	AT	__:_Z	SIGNATURE	(....)	_____	_____	_____	_____

				P01 289/037	730	N4242.4 W07800.7/.....		
DCT	JHW	249	FL380 050	114.70	495	58	36.2 / 100.3	07	08.17
	JAMESTOWN			P02 289/023	480	672	N4211.3 W07907.3/.....	
DCT	YNG	244	FL380 046	109.00	496	87	34.4 / 102.1	11	08.28
	YOUNGSTOWN			P03 289/015	487	585	N4119.9 W08040.5/.....	
DCT	*BDRY	241	FL380 037		496	71	32.9 / 103.6	08	08.36
-KZID				P03 288/012	490	515	N4035.6 W08153.1/.....	
DCT	APE	239	FL380 035	116.70	497	42	32.0 / 104.5	05	08.41
	APPLETON			P03 293/012	491	473	N4009.1 W08235.3/.....	
	KCVG	230	FL380 032			48	31.0 / 105.5	06	08.47
				P03 302/025		425	N3933.2 W08317.2/.....	
DCT	FLM	229	*CLB 034	117.00		72	29.5 / 107.0	09	08.56
	FALMOUTH			P05 303/016		352	N3839.0 W08418.6/.....	
DCT	*BDRY	231	FL430 037		486	119	26.7 / 109.8	15	09.11
-KZME				P01 304/025	481	234	N3714.4 W08604.1/.....	
	KMEM	229	FL430 031			17	26.3 / 110.2	02	09.13
				M01 305/028		216	N3701.9 W08619.2/.....	
DCT	BWG	228	FL430 040	117.90	485	9	26.2 / 110.3	01	09.14
	BOWLING GREEN			P00 311/027	482	208	N3655.7 W08626.6/.....	
WLDER8	*TOD	246	FL430 040		485	56	25.0 / 111.5	07	09.21
				M00 322/033	478	151	N3628.4 W08728.0/.....	
WLDER8	AXXEL	244	*DES 040			49	24.8 / 111.8	06	09.27
				P10 343/033		103	N3604.4 W08820.3/.....	
WLDER8	SPKER	243	*DES 027			41	24.6 / 112.0	06	09.33
				P13 350/019		61	N3543.8 W08904.2/.....	
WLDER8	WLDER	229	*DES 026			15	24.5 / 112.1	03	09.36
				P12 348/010		46	N3533.5 W08917.6/.....	
WLDER8	LTOWN	228	*DES 026			4	24.5 / 112.1	01	09.37
				P12 347/009		42	N3530.7 W08921.1/.....	
WLDER8	KMEM/18L	230	341 026			42	23.7 / 112.8	10	09.47
	MEMPHIS INTL						N3502.9 W08958.4/.....	

WIND INFORMATION - OBS 04/AUG 06:00

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(CLIMB)          BNO          ELMEK          ROBEL
FL350  340/040 -52  FL400  315/037 -57  FL400  302/036 -57  FL400  300/043 -57
FL280  338/033 -38  FL380  319/039 -57  FL380  302/036 -57  FL380  302/046 -57
FL210  330/024 -22  FL360  323/039 -55  FL360  301/035 -55  FL360  302/046 -54
FL140  325/019  -8  FL340  328/039 -51  FL340  299/033 -52  FL340  303/046 -51
 7000  323/012  +6  FL320  330/036 -47  FL320  301/031 -47  FL320  302/041 -46

HMM          SPY          OTBED          PENIL
FL400  287/047 -58  FL400  268/046 -57  FL400  244/041 -53  FL400  226/031 -49
FL380  287/052 -58  FL380  267/052 -57  FL380  243/046 -53  FL380  222/033 -50
FL360  287/051 -54  FL360  267/052 -54  FL360  241/053 -52  FL360  218/035 -51
FL340  287/051 -51  FL340  266/051 -50  FL340  240/060 -51  FL340  214/036 -52
FL320  286/046 -46  FL320  264/045 -46  FL320  239/053 -47  FL320  214/035 -48

RESNO        5530N        5440N        5250N
FL400  177/004 -43  FL420  356/006 -49  FL420  338/006 -50  FL420  225/007 -50
FL380  144/005 -43  FL400  006/006 -50  FL400  349/006 -51  FL400  227/008 -51
FL360  108/009 -43  FL380  018/008 -52  FL380  358/005 -52  FL380  232/008 -52
FL340  096/015 -43  FL360  031/010 -53  FL360  358/005 -53  FL360  243/009 -53
FL320  086/029 -44  FL340  039/013 -54  FL340  357/005 -54  FL340  254/010 -55

TUDEP        MILLS        YSC          SYR
FL420  230/013 -49  FL420  288/032 -46  FL420  297/046 -51  FL420  286/041 -56
FL400  228/014 -50  FL400  289/034 -45  FL400  301/052 -51  FL400  290/041 -56
FL380  222/015 -51  FL380  290/036 -45  FL380  305/057 -51  FL380  295/041 -55
FL360  211/017 -53  FL360  290/039 -46  FL360  311/061 -50  FL360  302/038 -52
FL340  201/019 -54  FL340  290/042 -48  FL340  318/066 -49  FL340  311/036 -49

JHW          APE          (DESCENT)
FL420  278/026 -56  FL420  275/018 -55  FL420  314/027 -56
FL400  283/025 -56  FL400  283/015 -55  FL340  322/023 -43
FL380  290/023 -55  FL380  293/012 -53  FL250  324/015 -24
FL360  300/021 -52  FL360  304/010 -51  17000  310/009  -6
FL340  313/019 -49  FL340  322/009 -48   8000  346/004 +10

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 END FLIGHTPLAN 03322 TCC312D N78901 LHBP-KMEM 04AUG2019

[ATC FLIGHTPLAN]

(FPL-TCC312D-IS
-B789/H-SABDE1FGHIJ2J3J4J5KP1P2P3RWXYZ/HB2U2V2D1G1
-LHBP1945
-N0491F360 BADOV DCT MAVOR P41 BABUS L602 VARIK DCT ROBEL UL602
MIMVA DCT OTBED Y70 GOLES UL975 SONEX L60 PENIL M144 BAGSO DCT
RESNO/M086F360 DCT 55N020W/M085F380 55N030W/N0494F380 54N040W
52N050W DCT TUDEP N400A MIILS DCT YSC DCT SYR DCT GEE DCT JHW
DCT YNG DCT APE DCT FLM/N0486F430 DCT BWG WLDER8
-KMEM0947 KBNA
-PBN/A1B1C1D1L101S1 NAV/RNVD1E1A1 DOF/190804 REG/N78901
EET/LZBB0009 LKAA0019 EDUU0048 EDVV0106 EHAA0120 EGT0139
EISN0220 EGGX0243 55N020W0321 CZQX0402 54N040W0445 52N050W0531
CZUL0631 CZQM0646 KZBW0706 CZUL0721 KZBW0734 KZOB0802 KZID0836
KZME0911
SEL/AHBF CODE/AAB467 RVR/75 OPR/TRADEWIND ALASKA
ORGN/PANCTAAP PER/D
RALT/CYQX EINN
RMK/TCAS
-E/1215)

[PLANNING WEATHER]

ORIGIN: LHBP/BUD (LISZT FERENC INTL, HUNGARY)

UTC +02:00

LHBP 041630Z 30010KT CAVOK 25/10 Q1014 NOSIG
LHBP 041115Z 0412/0512 32007KT CAVOK
BECMG 0414/0416 VRB03KT
BECMG 0507/0509 25006KT

DESTINATION: KMEM/MEM (MEMPHIS INTL, UNITED STATES)

UTC -05:00

KMEM 041554Z 02007KT 360V090 10SM FEW026 FEW200 31/23 A3000 RMK A02 SLP152
T03060233
KMEM 041137Z 0412/0518 12003KT P6SM VCSH FEW120 BKN250
FM041300 VRB03KT P6SM SCT250
FM041900 02007KT P6SM VCTS SCT045CB BKN250
FM050100 06005KT P6SM FEW050 BKN200
FM050900 06003KT 6SM BR FEW250

ALTERNATE: KBNA/BNA (NASHVILLE INTL, UNITED STATES)

UTC -05:00

KBNA 041553Z VRB03KT 10SM FEW035 SCT140 SCT160 BKN250 28/21 A3003 RMK A02
SLP163 T02780211
KBNA 041143Z 0412/0512 00000KT P6SM BKN150
FM042100 06008KT P6SM VCTS BKN050CB
FM050100 05004KT P6SM BKN100

EDTO AIRPORT: CYQX/YQX (GANDER INTL, CANADA)

UTC -02:30

CYQX 041600Z 19019G25KT 20SM SCT060 BKN160 OVC230 25/10 A2982 RMK
CU3AC3CI2 SUN DMLY VISBL SLP099 DENSITY ALT 1900FT
CYQX 041139Z 0412/0512 08005KT P6SM FEW005 BKN070
BECMG 0412/0414 19012G22KT
BECMG 0416/0418 19015G25KT
FM042200 21012G22KT P6SM BKN050
TEMPO 0422/0503 P6SM -SHRA
PROB30 0422/0503 2SM TSRA BR BKN020 OVC050CB
FM050300 21010KT P6SM BKN020
FM050700 21010KT 6SM -SHRA BR OVC010
PROB30 0507/0512 2SM TSRA BR BKN008 OVC010CB
RMK NXT FCST BY 041800Z

EDTO AIRPORT: EINN/SNN (SHANNON, IRELAND)

UTC +01:00

EINN 041630Z 17006KT 2000 +SHRA FEW008 SCT012 BKN018CB 16/15 Q1004 TEMPO
4000 BKN006
AMD EINN 041246Z 0412/0512 16013KT 9999 SCT012 BKN025
TEMPO 0413/0416 20015G25KT
TEMPO 0413/0419 4000 SHRA BKN010 BKN018CB
PROB40 TEMPO 0415/0418 3000 TSRA BKN006
BECMG 0416/0418 25008KT
BECMG 0421/0423 18008KT
BECMG 0509/0511 21012KT
TEMPO 0509/0512 -SHRA SCT018CB

ADEQUATE: EDSB/FKB (KARLSRUHE/BADEN-BADEN, GERMANY)

UTC +02:00

EDSB 041620Z 34004KT 300V030 CAVOK 28/13 Q1014
EDSB 041100Z 0412/0512 VRB03KT CAVOK
PROB30 TEMPO 0503/0507 SHRA BKN050CB
BECMG 0509/0511 22008KT

ADEQUATE: ELLX/LUX (LUXEMBOURG, LUXEMBOURG)

UTC +02:00

ELLX 041620Z 12005KT 050V190 CAVOK 28/10 Q1014 NOSIG
ELLX 041100Z 0412/0518 22006KT CAVOK
BECMG 0415/0418 06006KT
TEMPO 0420/0507 VRB02KT
BECMG 0507/0509 27010KT

ADEQUATE: EBBR/BRU (BRUSSELS NATIONAL, BELGIUM)

UTC +02:00

EBBR 041620Z VRB01KT CAVOK 26/15 Q1013 NOSIG
EBBR 041100Z 0412/0518 14004KT CAVOK
TEMPO 0423/0503 4000 SHRA
TEMPO 0505/0507 SCT008 BKN012
BECMG 0506/0508 25010KT

ADEQUATE: EGLL/LHR (HEATHROW, UNITED KINGDOM)

UTC +01:00

EGLL 041620Z AUTO 19011KT 150V220 9999 NCD 23/16 Q1011
EGLL 041053Z 0412/0518 16010KT 9999 FEW045
BECMG 0416/0419 22010KT
PROB30 TEMPO 0417/0420 8000 SHRA
PROB30 TEMPO 0503/0508 BKN012
TEMPO 0508/0512 BKN012
PROB30 TEMPO 0508/0512 6000 SHRA BKN008

ADEQUATE: CYUL/YUL (PIERRE ELLIOTT TRUDEAU INTL, CANADA)

UTC -04:00

CYUL 041600Z 31008KT 240V340 30SM FEW055 SCT250 21/07 A2999 RMK CU1CI3 CU
TR SLP158 DENSITY ALT 800FT
CYUL 041438Z 0415/0512 35006KT P6SM FEW050
BECMG 0415/0417 25008KT
FM041800 25010KT P6SM SCT060
BECMG 0422/0424 30008KT
FM050300 30008KT P6SM SKC
BECMG 0507/0509 25006KT
RMK NXT FCST BY 041800Z

ADEQUATE: KBUF/BUF (BUFFALO NIAGARA INTL, UNITED STATES)

UTC -04:00

KBUF 041554Z 00000KT 10SM FEW026 SCT055 SCT100 SCT180 24/16 A3003 RMK AO2
SLP166 T02440161
KBUF 041503Z 0415/0512 01006KT P6SM BKN045 BKN100
FM041700 02007KT P6SM SCT050
FM050200 15004KT P6SM SKC

ADEQUATE: KCLE/CLE (CLEVELAND-HOPKINS INTL, UNITED STATES)

UTC -04:00

KCLE 041551Z 24008KT 10SM FEW250 29/14 A3006 RMK A02 SLP173 T02890144

KCLE 041515Z 0415/0518 26008KT P6SM SCT070

FM041700 30008KT P6SM VCSH BKN050

FM042100 35007KT P6SM SCT050

FM050400 03005KT P6SM SCT250

ADEQUATE: KCVG/CVG (CINCINNATI/NORTHERN KY INTL, UNITED STATES)

UTC -04:00

KCVG 041552Z VRB03KT 10SM FEW150 SCT200 29/13 A3006 RMK A02 SLP167

T02940128

KCVG 041441Z 0415/0518 03004KT P6SM SCT200

FM050100 VRB02KT P6SM FEW050 SCT150

FM051300 25005KT P6SM SCT050

[TRACK MESSAGE]

NORTH ATLANTIC TRACK MESSAGE

(NAT-1/3 TRACKS FLS 310/390 INCLUSIVE
AUG 04/1130Z TO AUG 04/1900Z
PART ONE OF THREE PARTS-

A ERAKA 60/20 60/30 60/40 59/50 AVUTI
EAST LVLS NIL
WEST LVLS 310 320 330 350 360 370
EUR RTS WEST NIL
NAR NIL-

B GOMUP 59/20 59/30 59/40 58/50 CUDDY
EAST LVLS NIL
WEST LVLS 310 320 330 340 350 360 370 380 390
EUR RTS WEST NIL
NAR NIL-

END OF PART ONE OF THREE PARTS)

(NAT-2/3 TRACKS FLS 310/390 INCLUSIVE
AUG 04/1130Z TO AUG 04/1900Z
PART TWO OF THREE PARTS-

C SUNOT 58/20 58/30 57/40 56/50 JANJO
EAST LVLS NIL
WEST LVLS 310 320 330 340 350 360 370 380 390
EUR RTS WEST NIL
NAR NIL-

D PIKIL 57/20 57/30 56/40 55/50 LOMSI
EAST LVLS NIL
WEST LVLS 310 320 330 340 350 360 370 380 390
EUR RTS WEST NIL
NAR NIL-

E ETARI 5630/20 5630/30 5530/40 5430/50 MELDI
EAST LVLS NIL
WEST LVLS 350 360 370 380 390
EUR RTS WEST NIL
NAR NIL-

F RESNO 56/20 56/30 55/40 54/50 NEEKO
EAST LVLS NIL
WEST LVLS 310 320 330 340 350 360 370 380 390
EUR RTS WEST NIL
NAR NIL-

END OF PART TWO OF THREE PARTS)

(NAT-3/3 TRACKS FLS 310/390 INCLUSIVE
AUG 04/1130Z TO AUG 04/1900Z
PART THREE OF THREE PARTS-

G DOGAL 55/20 55/30 54/40 53/50 RIKAL
EAST LVLS NIL
WEST LVLS 310 320 330 340 350 360 370 380 390
EUR RTS WEST NIL
NAR NIL-

REMARKS.

1. TMI IS 216 AND OPERATORS ARE REMINDED TO INCLUDE THE TMI NUMBER AS PART OF THE OCEANIC CLEARANCE READ BACK.
2. FOR WESTBOUND TRACK QUERIES CONTACT EGGX ON +44 01294 655141.
3. ALL ADSC CPDLC EQUIPPED FLIGHTS NOT LOGGED ON TO A DOMESTIC ATSU PRIOR TO ENTERING THE SHANWICK OCA MUST INITIATE A FANS LOGON TO EGGX BETWEEN 10 AND 25 MINUTES PRIOR TO OCA ENTRY. FAILURE TO DO SO MAY RESULT IN A LATE RE-CLEARANCE.
4. OPERATORS ARE REMINDED THAT ADS-C AND CPDLC IS MANDATED FOR LEVELS 350-390 IN NAT AIRSPACE.
5. PBCS OTS LEVELS 350-390. PBCS TRACKS AS FOLLOWS
TRACK D
TRACK E
TRACK F
END OF PBCS OTS
6. FOR STRATEGIC LATERAL OFFSET AND CONTINGENCY PROCEDURES FOR OPS IN NAT FLOW REFER TO NAT PROGRAMME COORDINATION WEBSITE
WWW.PARIS.ICAO.INT.
SLOP SHOULD BE STANDARD PROCEDURE, NOT JUST FOR AVOIDING WX/TURB.
7. 80 PERCENT OF GROSS NAVIGATION ERRORS RESULT FROM POOR COCKPIT PROCEDURES. CONDUCT EFFECTIVE WAYPOINT CHECKS.
8. OPERATORS ARE REMINDED THAT CLEARANCES MAY DIFFER FROM THE FLIGHT PLAN, FLY THE CLEARANCE.
9. FLIGHTS REQUESTING WESTBOUND OCEANIC CLEARANCE VIA ORCA DATALINK SHALL INCLUDE IN RMK/ FIELD THE HIGHEST ACCEPTABLE FLIGHT LEVEL WHICH CAN BE MAINTAINED AT OAC ENTRY POINT.-

END OF PART THREE OF THREE PARTS)

(NAT-1/3 TRACKS FLS 320/400 INCLUSIVE
AUG 05/0100Z TO AUG 05/0800Z
PART ONE OF THREE PARTS-

R JOOPY 49/50 50/40 51/30 52/20 LIMRI XETBO
EAST LVLS 320 330 340 350 360 370 380 390 400
WEST LVLS NIL
EUR RTS EAST NIL
NAR N269A N277A-

S MUSAK 4830/50 4930/40 5030/30 5130/20 ADARA LEKVA
EAST LVLS 350 360 370 380 390
WEST LVLS NIL
EUR RTS EAST NIL
NAR N237A N233A-

T NICSO 48/50 49/40 50/30 51/20 DINIM ELSOX
EAST LVLS 320 330 340 350 360 370 380 390 400
WEST LVLS NIL
EUR RTS EAST NIL
NAR N211E N201B-

U OMSAT 4730/50 4830/40 4930/30 5030/20 RODEL EPUNA
EAST LVLS 350 360 370 380 390
WEST LVLS NIL
EUR RTS EAST NIL
NAR N183A N171D-

END OF PART ONE OF THREE PARTS)

(NAT-2/3 TRACKS FLS 320/400 INCLUSIVE
AUG 05/0100Z TO AUG 05/0800Z
PART TWO OF THREE PARTS-

V PORTI 47/50 48/40 49/30 50/20 SOMAX ATSUR
EAST LVLS 320 330 340 350 360 370 380 390 400
WEST LVLS NIL
EUR RTS EAST NIL
NAR N155A N139A-

W SUPRY 46/50 47/40 48/30 49/20 BEDRA NASBA
EAST LVLS 320 330 350 360 380 390 400
WEST LVLS NIL
EUR RTS EAST NIL
NAR N93A N75A-

X RAFIN 45/50 46/40 47/30 48/20 48/15 OMOKO GUNSO
EAST LVLS 320 330 350 360 380 390 400
WEST LVLS NIL
EUR RTS EAST NIL
NAR N59C N45D-

Y DOVEY 42/60 44/50 44/40
EAST LVLS 330 350 370 390
WEST LVLS NIL
EUR RTS EAST NIL
NAR NIL-

END OF PART TWO OF THREE PARTS)

(NAT-3/3 TRACKS FLS 320/400 INCLUSIVE
AUG 05/0100Z TO AUG 05/0800Z
PART THREE OF THREE PARTS-

Z SOORY 43/50 45/40 46/30 47/20 47/15 ETIKI REGHI
EAST LVLS 320 360 380 400
WEST LVLS NIL
EUR RTS EAST NIL
NAR NIL-

REMARKS:

- 1.TMI IS 217 AND OPERATORS ARE REMINDED TO INCLUDE THE NUMBER AS PART OF THE OCEANIC CLEARANCE READ BACK.
- 2.OPERATORS ARE REMINDED THAT ADS-C AND CPDLC ARE MANDATED FOR LEVELS 350-390 IN NAT AIRSPACE.
- 3.PBCS OTS LEVELS 350-390. PBCS TRACKS AS FOLLOWS
TRACK R
TRACK S
TRACK T
TRACK U
TRACK V
END OF PBCS OTS.
- 4.CLEARANCE DELIVERY FREQUENCY ASSIGNMENTS FOR AIRCRAFT OPERATING FROM AVPUT TO TALGO INCLUSIVE:AVPUT TO LIBOR 132.02,
MAXAR TO VESMI 134.2, AVUTI TO JANJO 128.7,KODIK TO TUDEP 135.45,
UMESI TO JOOPY 135.05, MUSAK TO SUPRY 128.45,RAFIN TO TALGO 119.42.
- 5.80% OF NAVIGATIONAL ERRORS RESULT FROM POOR COCKPIT PROCEDURES ALWAYS CARRY OUT PROPER WAYPOINT PROCEDURES.
- 6.OPERATORS ARE ADVISED THAT VERSION 24 OF THE GANDER DATA LINK OCEANIC CLEARANCE DELIVERY CREW PROCEDURES IS NOW VALID AND AVAILABLE AS NAT OPS BULLETIN 2015-004 ON THE WWW.PARIS.ICAO.INT WEBSITE.
- 7.OPERATORS ARE REMINDED THAT EASTBOUND AIRCRAFT INTENDING TO OPERATE IN THE OTS ARE REQUIRED TO COMPLY WITH NAR FLIGHT PLANNING RULES AS DEFINED IN THE CANADA FLIGHT SUPPLEMENT

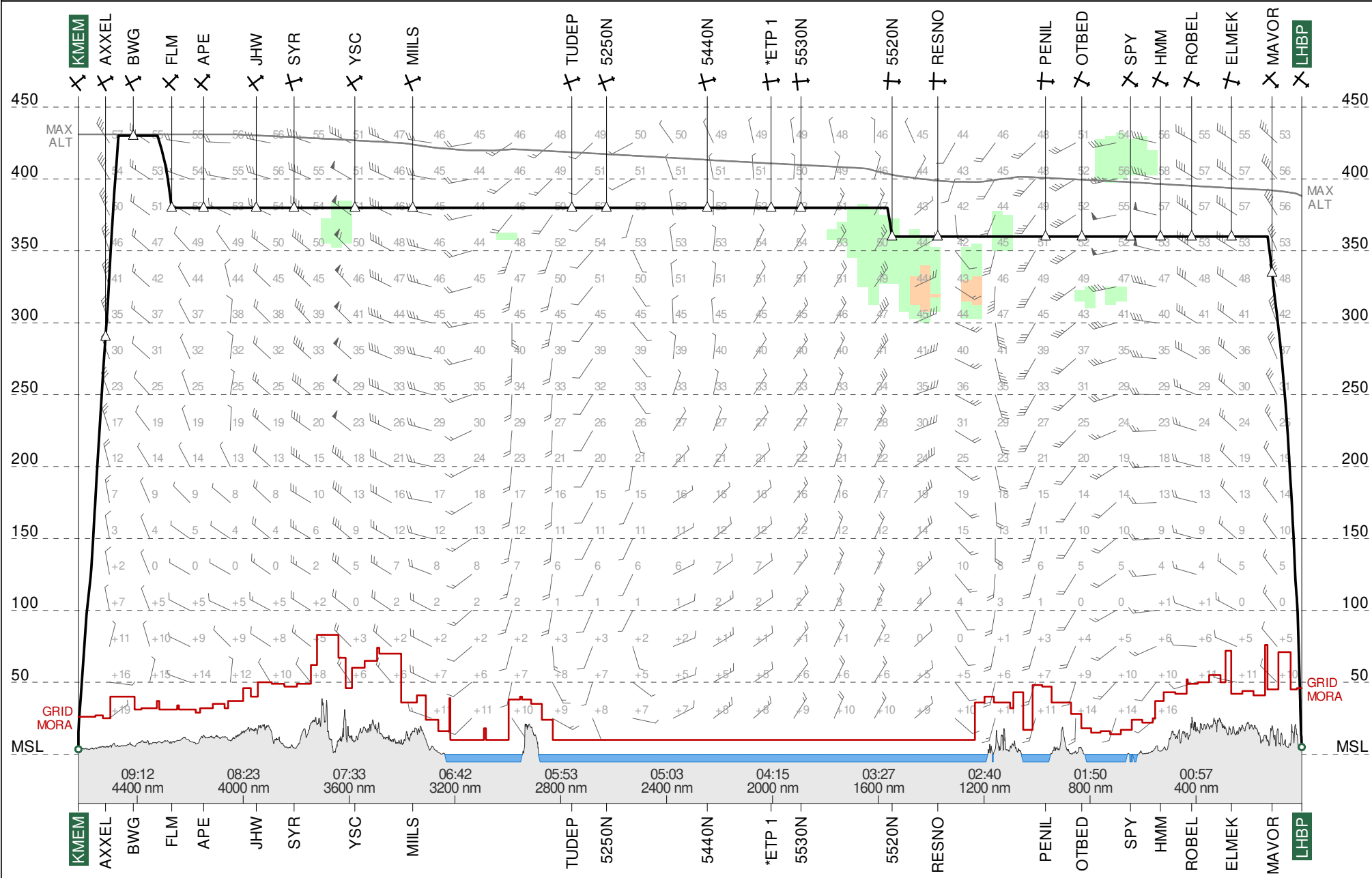
OR WITH ROUTES AS CONTAINED IN THE DAILY BOSTON ADVISORY.
8.FL320 EXPIRES AT 0600Z AT 30W ON TRACKS X AND Z.
9.OPERATORS ARE REMINDED TO CHECK NOTAMS 190188 OR A2882/19 FOR
FLIGHT PLANNING
RESTRICTIONS. -

END OF PART THREE OF THREE PARTS)

TR312D #2

KMEM ← LHBP

ETD 04 Aug 19:45z
N78901 B789



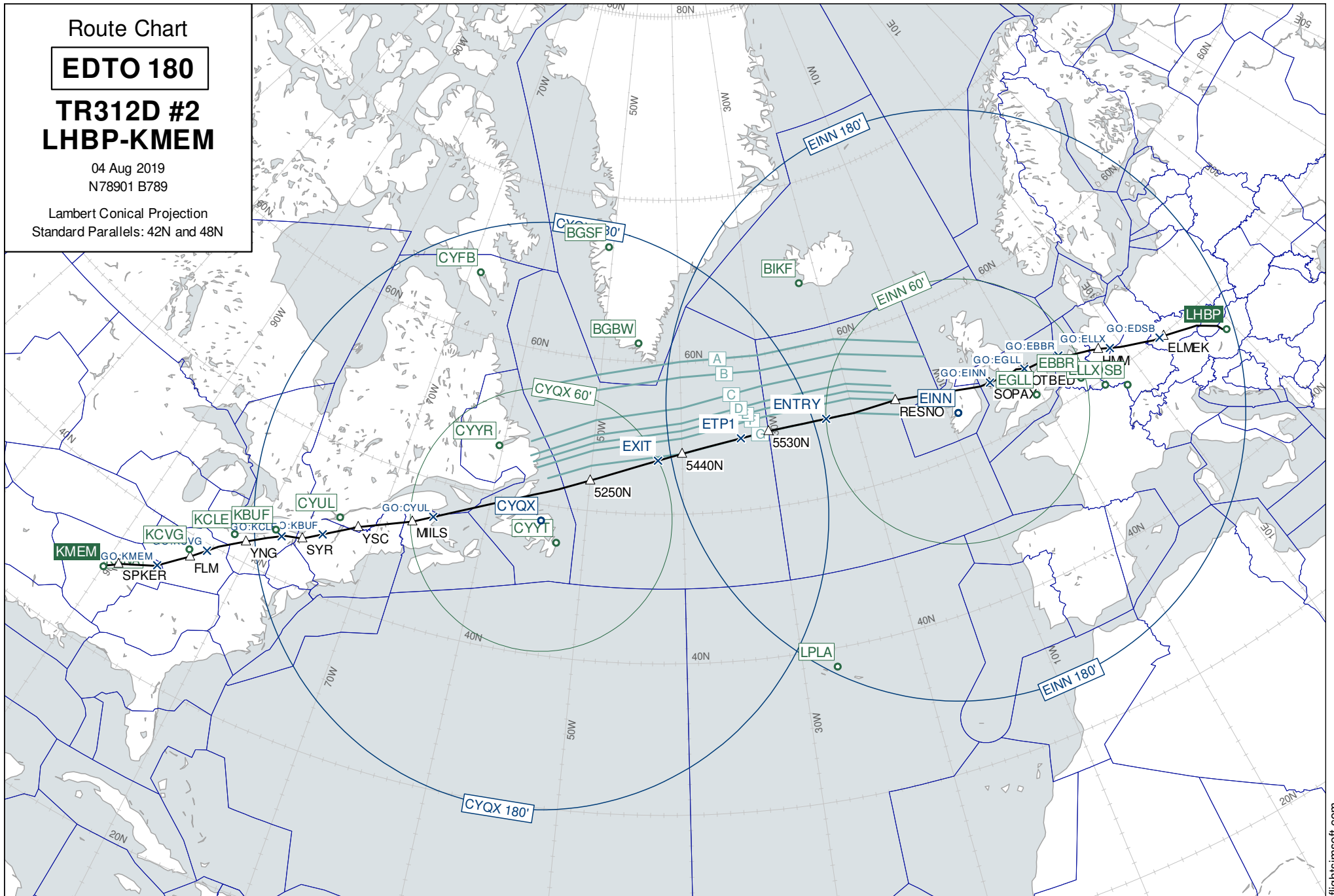
Route Chart

EDTO 180

**TR312D #2
LHBP-KMEM**

04 Aug 2019
N78901 B789

Lambert Conical Projection
Standard Parallels: 42N and 48N



Wind Chart

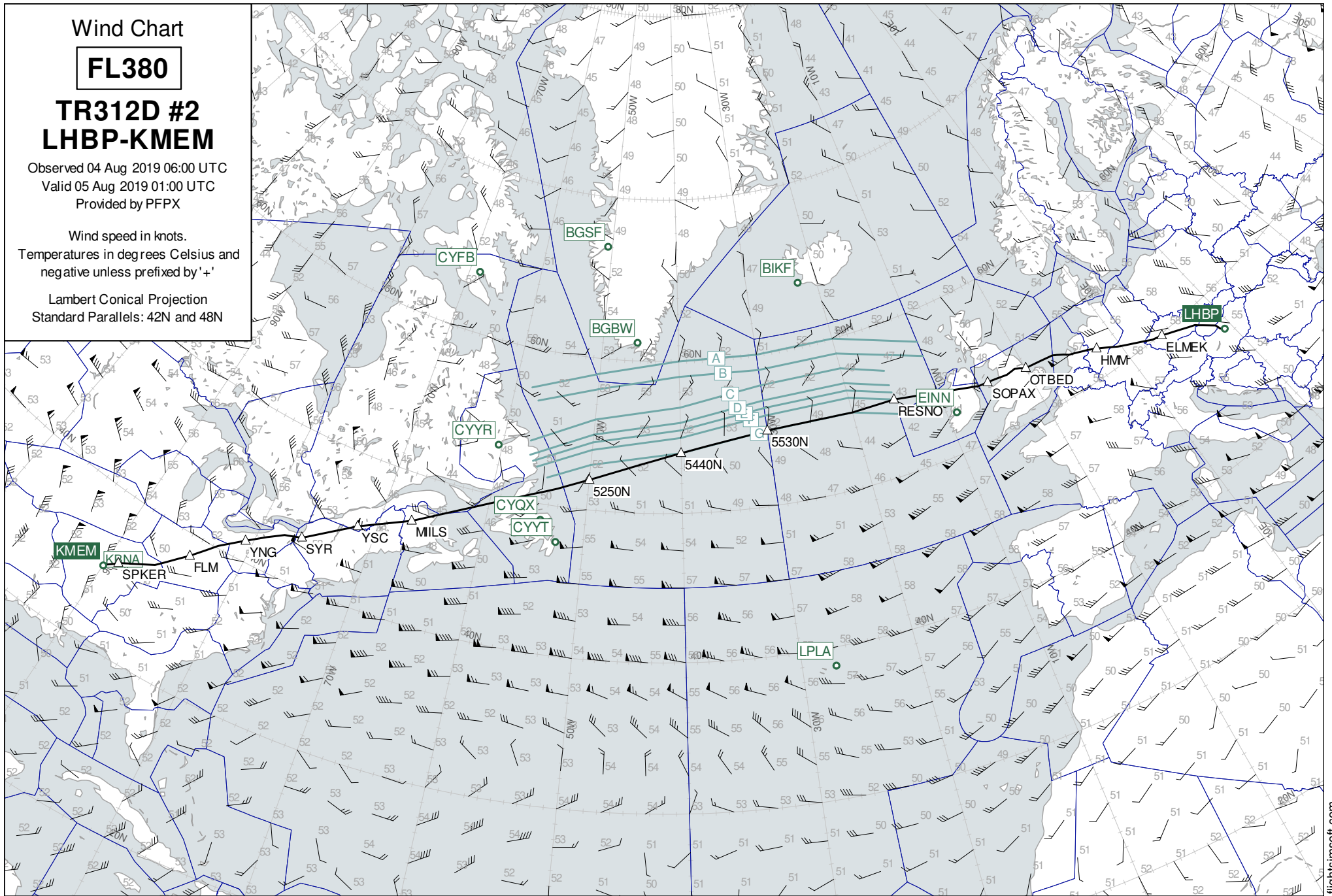
FL380

TR312D #2 LHBP-KMEM

Observed 04 Aug 2019 06:00 UTC
Valid 05 Aug 2019 01:00 UTC
Provided by PFPX

Wind speed in knots.
Temperatures in degrees Celsius and
negative unless prefixed by '+'

Lambert Conical Projection
Standard Parallels: 42N and 48N



Wind Chart

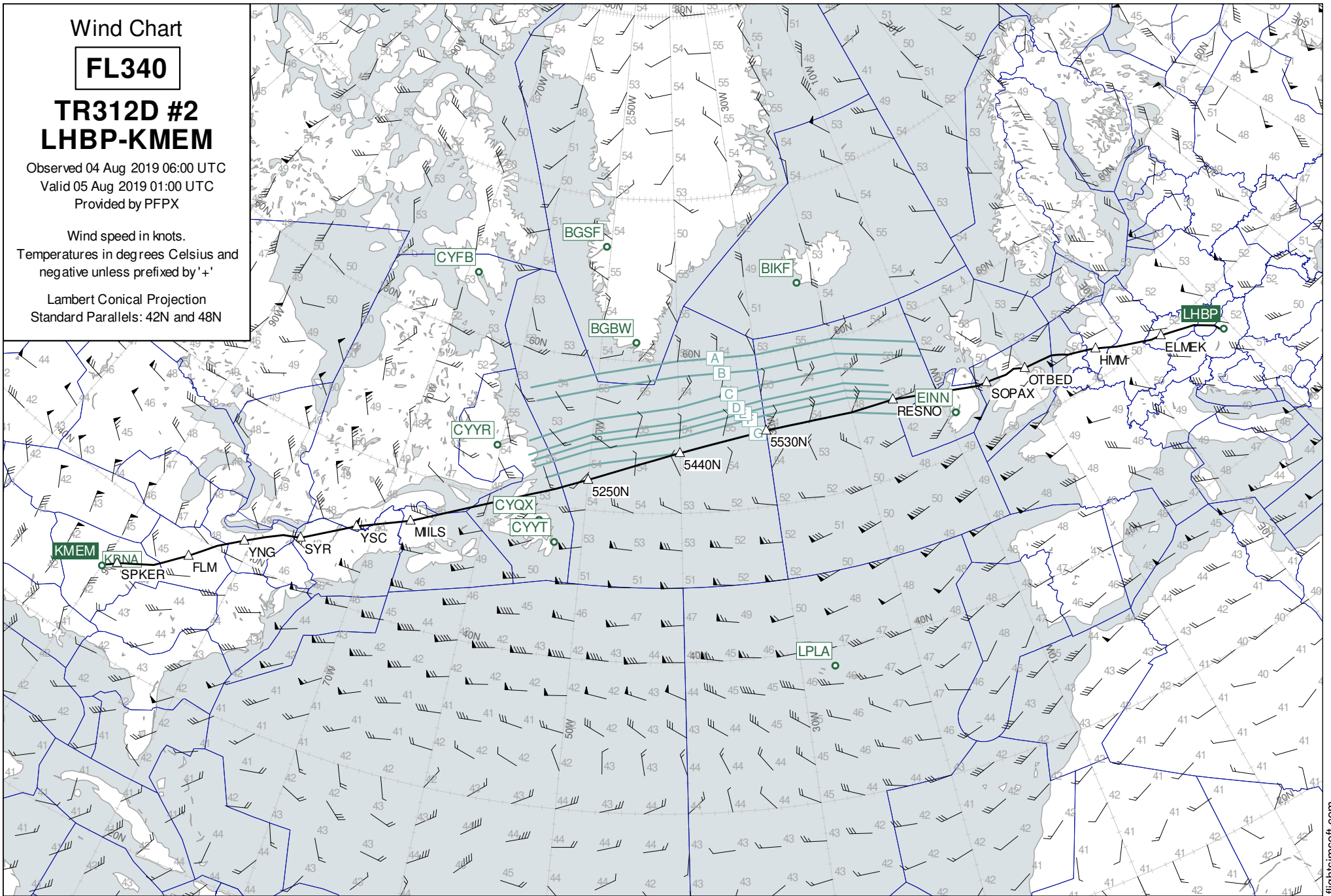
FL340

TR312D #2 LHBP-KMEM

Observed 04 Aug 2019 06:00 UTC
Valid 05 Aug 2019 01:00 UTC
Provided by PFPX

Wind speed in knots.
Temperatures in degrees Celsius and
negative unless prefixed by '+'

Lambert Conical Projection
Standard Parallels: 42N and 48N



Wind Chart

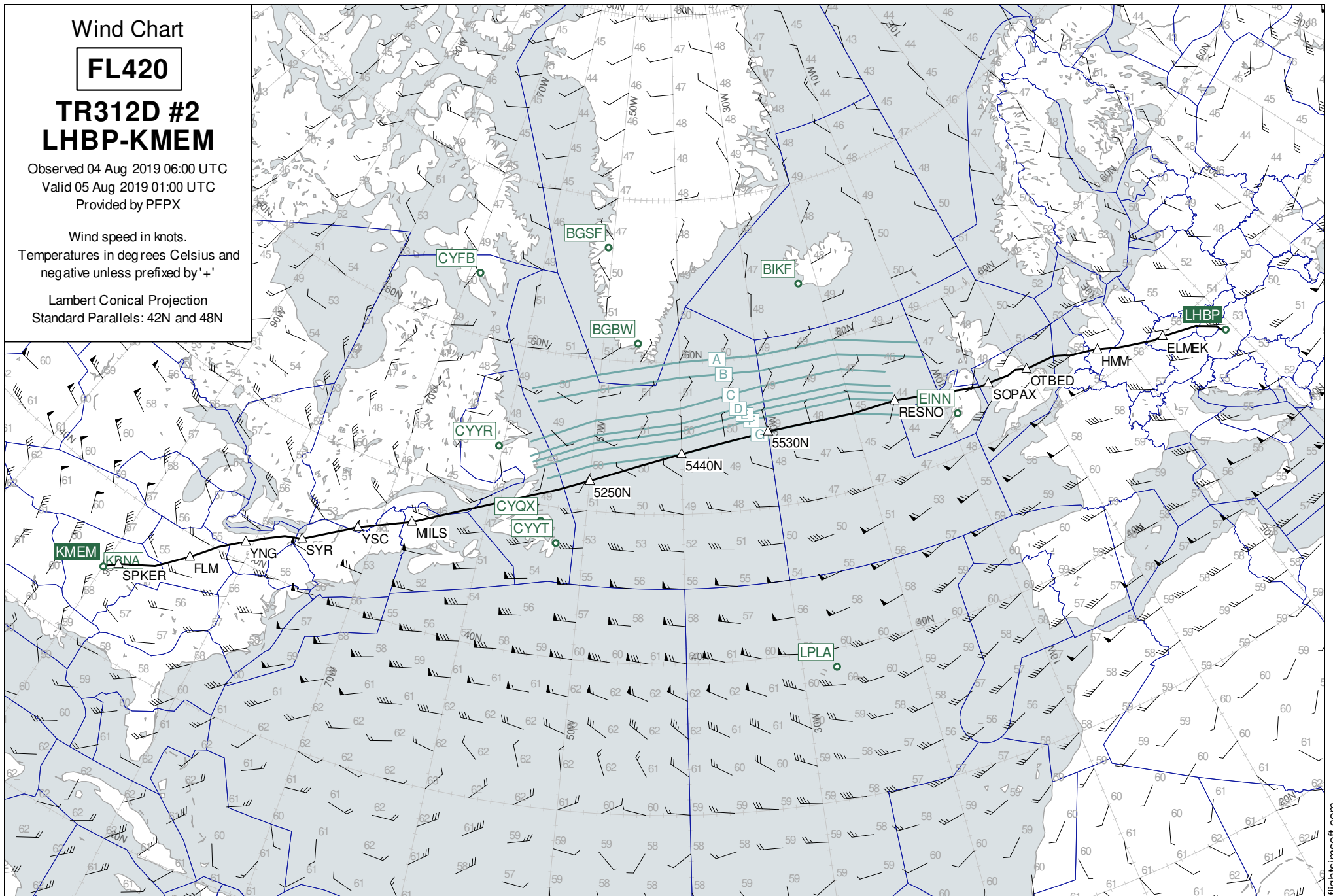
FL420

TR312D #2 LHBP-KMEM

Observed 04 Aug 2019 06:00 UTC
Valid 05 Aug 2019 01:00 UTC
Provided by PFPX

Wind speed in knots.
Temperatures in degrees Celsius and
negative unless prefixed by '+'

Lambert Conical Projection
Standard Parallels: 42N and 48N



Destination Area

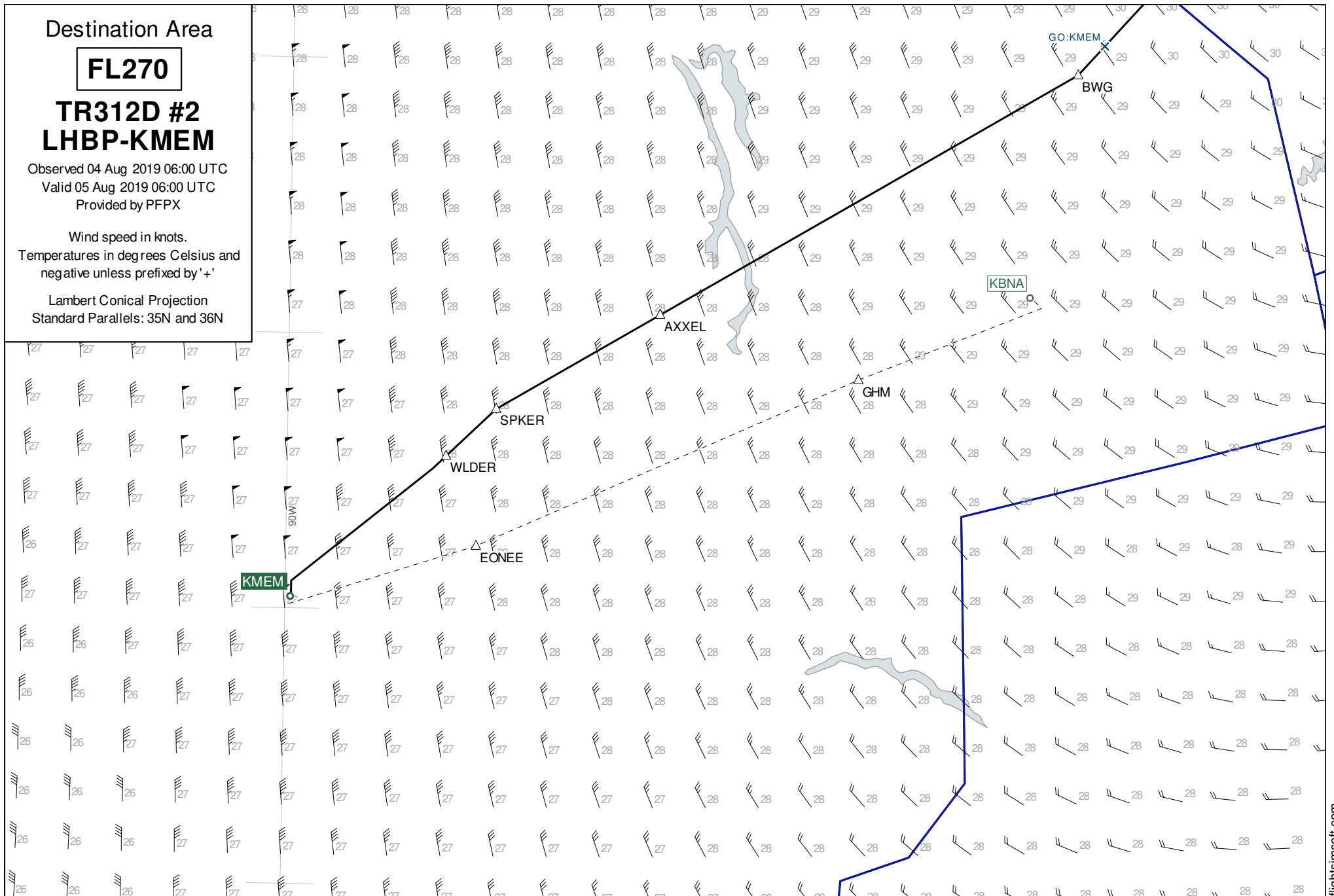
FL270

TR312D #2
LHBP-KMEM

Observed 04 Aug 2019 06:00 UTC
Valid 05 Aug 2019 06:00 UTC
Provided by PFPX

Wind speed in knots.
Temperatures in degrees Celsius and
negative unless prefixed by '+'

Lambert Conical Projection
Standard Parallels: 35N and 36N



Plotting Chart TR312D #2 LHBP-KMEM

04 Aug 2019
N78901 B789

Lambert Conical Projection
Standard Parallels: 51N and 53N

